

**CITY OF HUNTINGTON BEACH  
PUBLIC WORKS COMMISSION  
REQUEST FOR ACTION**

Item No. 08-20

**SUBMITTED TO:** Chairman Rivera and Members of the Commission

**SUBMITTED BY:** Travis K. Hopkins, PE, Director of Public Works 

**DATE:** June 18, 2008

**SUBJECT:** Traffic Signal Installations (CC-1322)  
Springdale Street and Heil Avenue  
Center Avenue at One Pacific Plaza

**Statement of Issue:** Plans and specifications are in final preparation for the modification of the traffic signals at the intersections of Springdale Street at Heil Avenue and Center Avenue at One Pacific Plaza. Upon approval from the Director of Public Works they will be ready for bid. Staff requests support of the capital project prior to advertisement for competitive bids.

**Funding Source:** Funds totaling \$240,000 have been appropriated in the current budget year for the traffic signal modifications at these two locations. Funding is from the Traffic Impact Fee Account 20690007.82700. The engineer's construction cost estimate for this project is \$215,000.

**Recommended Action:** Motion to recommend to the City Council the modification of the traffic signals at Springdale Street at Heil Avenue and Center Avenue at One Pacific Plaza (CC-1322).

**Alternative Action(s):** Recommend changes to the project.

**Analysis:** The intersection of Springdale Street at Heil Avenue has been identified as requiring north-south left turn arrows based on collision history and the presence of a significant number of school-age pedestrians.

The intersection of Center Avenue at One Pacific Plaza also was identified as requiring the installation of left turn arrows. The existing curvature of Center Avenue to the east of this intersection impacts the sight distance for eastbound left turning traffic. The existing "protected-permissive" left turn indications will be removed and replaced with standard left turn indications, where a left turn can only be made on a green arrow.

A brief description of the operational changes that will be provided with each installation is presented in the following sections:

G-3'

Springdale Street and Heil Avenue: This is an intersection configured at approximately a ninety degree angle with crosswalks across all four legs. This intersection is currently signalized with no left turn arrows. At the northeast corner of this intersection is St. Bonaventure Church and School and at the southeast corner is Chris Carr Park. Spring View School is approximately 1300 feet from the intersection. The proximity of these schools and the park result in a significant number of pedestrians. The collision history and the presence of a significant amount of school-age pedestrians dictate the need to install north-south left turn arrows on Springdale Street. To comply with current accessibility standards, the curb ramps on all four quadrants will be replaced as part of this project.

Center Avenue and One Pacific Plaza: This is an existing four legged intersection on Center Avenue at the intersection of two private driveways; One Pacific Plaza to the north and Bella Terra to the south. The existing traffic signal includes "protected-permissive" left turn arrows on Center Avenue in the east-west directions. The existing curvature of Center Avenue to the east of this intersection impacts the sight distance for eastbound left turn traffic. The existing "protected-permissive" left turn indications will be removed and replaced with standard left turn indications, where a left turn can only be made on a green arrow.

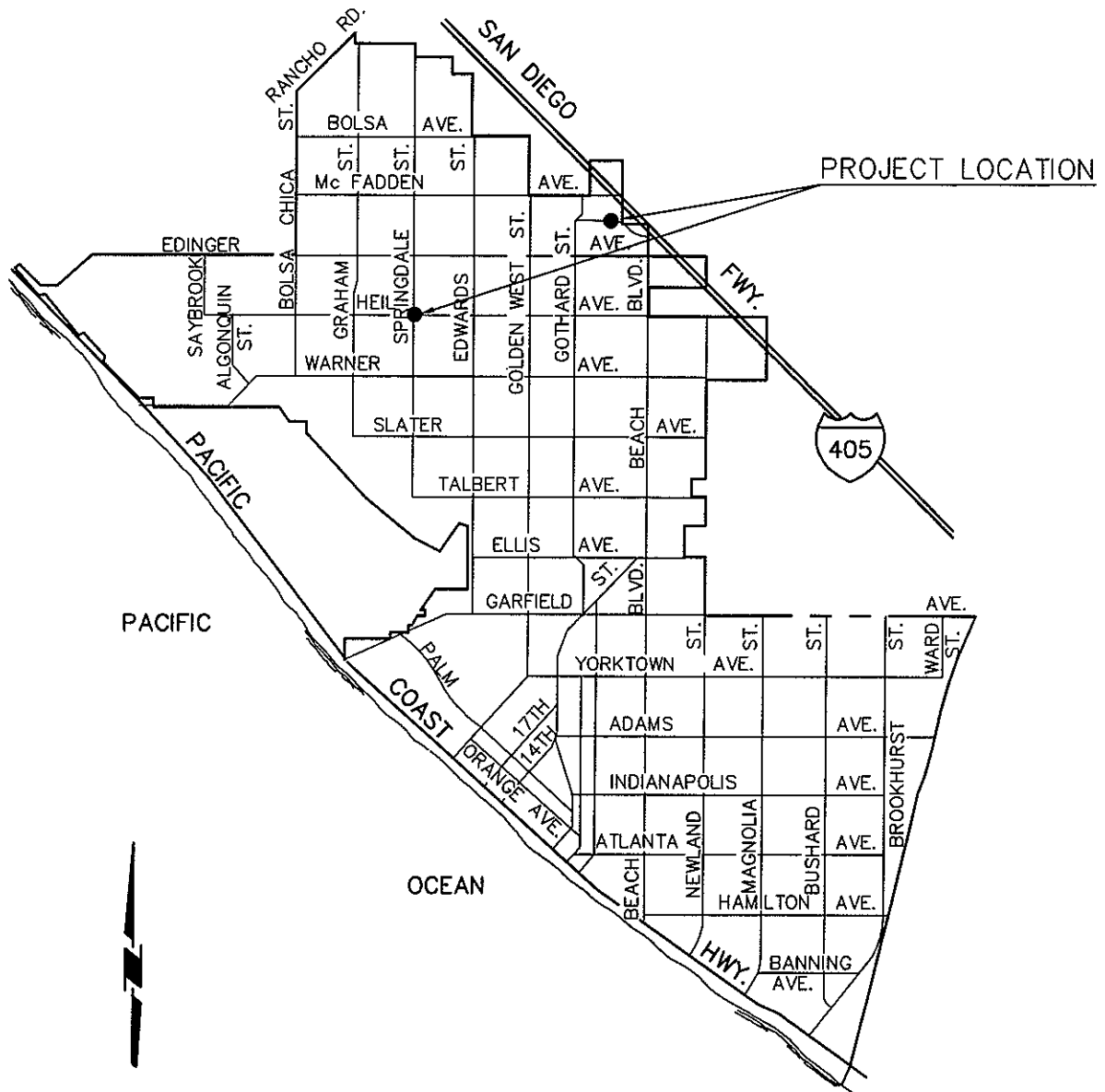
Construction will be scheduled for Fall 2008.

**Attachments:**      1.      Project Location Map

G-3<sup>2</sup>

G-3<sup>3</sup>

# ATTACHMENT #1



CITY OF HUNTINGTON BEACH \* PUBLIC WORKS \* TRAFFIC ENGINEERING



# LOCATION MAP TRAFFIC SIGNAL MODIFICATIONS

ATTACHMENT

1

G.34